



EN1721 - Integrated temperature and humidity transmitter

The Inovonics EN1721 features an onboard temperature and humidity sensor and is designed for indoor use in moderate temperatures.

Why Inovonics Wireless is Best

The Inovonics Commercial Mesh Network has been specifically developed for commercial applications to provide the most cost-effective solution for a wide range of applications, while setting new standards for performance and reliability in a wireless sensor network.

Reliability

Inovonics EchoStream 900MHz radio utilizes a unique frequency hopping, spread spectrum technology to meet the demands of an increasingly cluttered wireless world.

Flexibility

The flexibility of wireless is a necessity in today's dynamic commercial environments. The self-configuring EchoStream Commercial Mesh Network allows you to adapt to changing floor plans and requirements in a matter of minutes. New sensors can be added to the network as fast as they can be mounted.

Scalability

The EchoStream Commercial Mesh Network's backbone of intelligent repeaters can extend coverage to thousands of sensors across entire commercial campuses.

EN1721 Specifications

Sensor Measurement:

- Temperature
 - Units: Fahrenheit or Celsius
 - Range: -4° to 140°F
 - Typical resolution: 0.018°F
 - Typical accuracy: $\pm 0.5^\circ\text{F}$ at 77°F
- Humidity
 - Range: 0 to 90%RH
 - Resolution: 0.03%RH
 - Typical accuracy: $\pm 2.0\%$ RH from 10% to 90%RH

Transmitter Configuration Options:

- Measurement intervals of 0.5, 1, 5, or 30 seconds, 1, 5, or 15 minutes, or only on transmit
- Transmission intervals of 10 or 30 seconds, 1, 2, 5, 10, 15 or 30 minutes
- Delta T value of 0.5, 1, 5, or 10 degrees or % humidity. Delta T can be disabled.

Transmitter Battery:

- 3.0V lithium, 1.4Ah (BAT604)
- Typical 8 year battery life at five minute transmission intervals

Transmitter Physical Characteristics:

- Dimensions: 3.5x1.7x0.9"

Transmitter Operating Environment:

- -4° to 140°F
- Up to 90% humidity non-condensing

System requirements:

- Requires use of the EN4000 serial receiver and an application designed to support advanced functionality